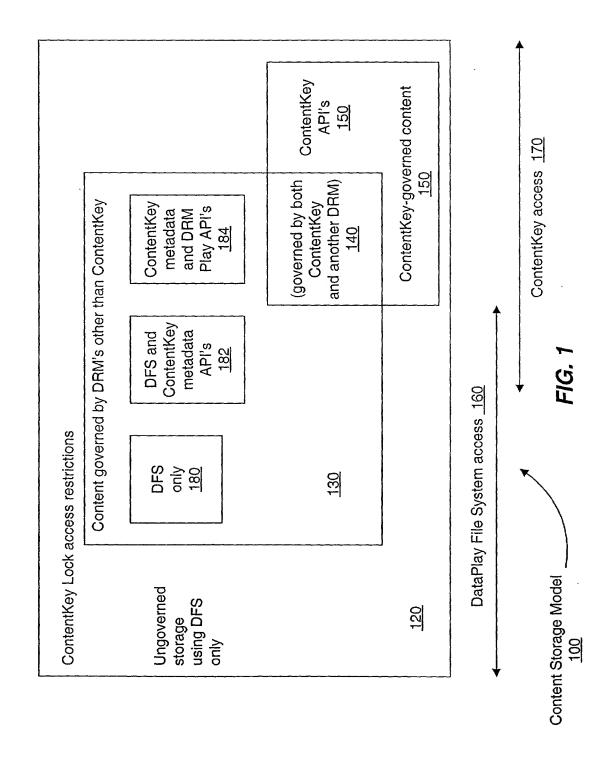
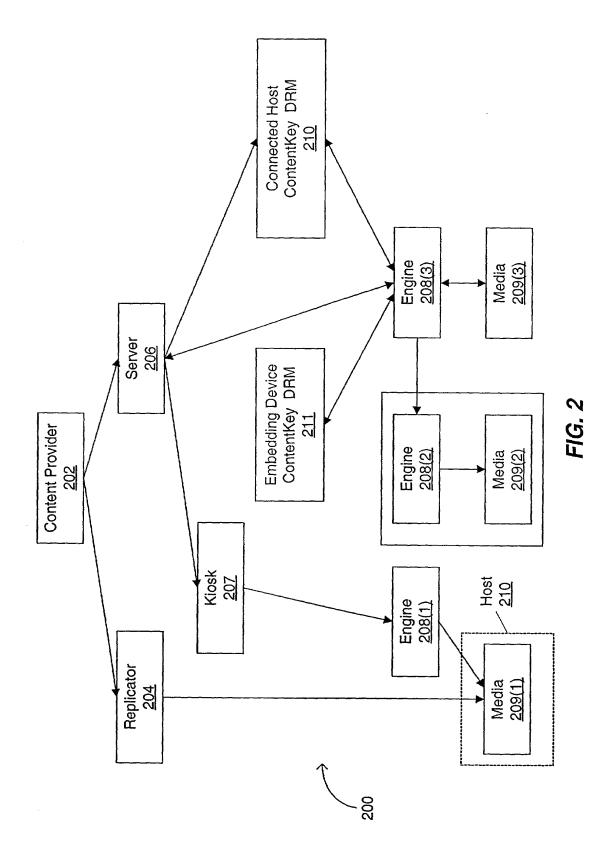
Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



First Inventor:

Timothy R. Feldman

Title:

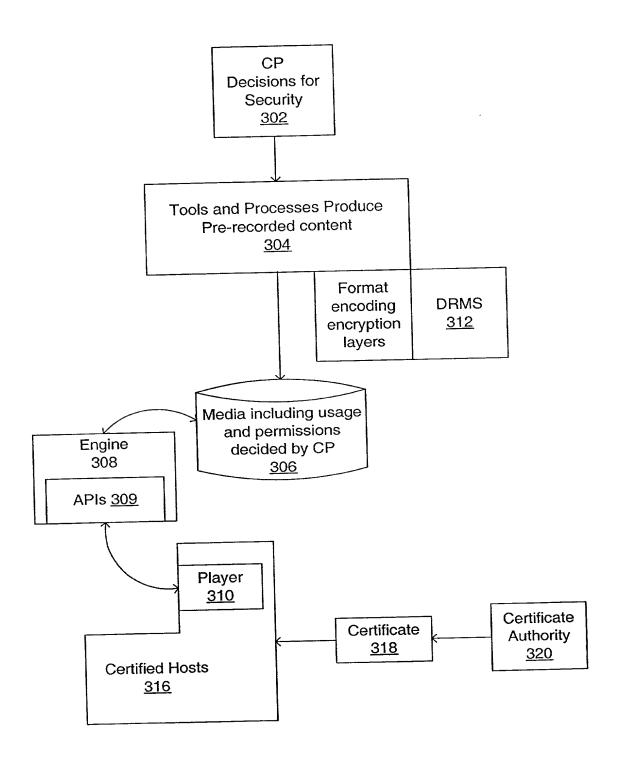
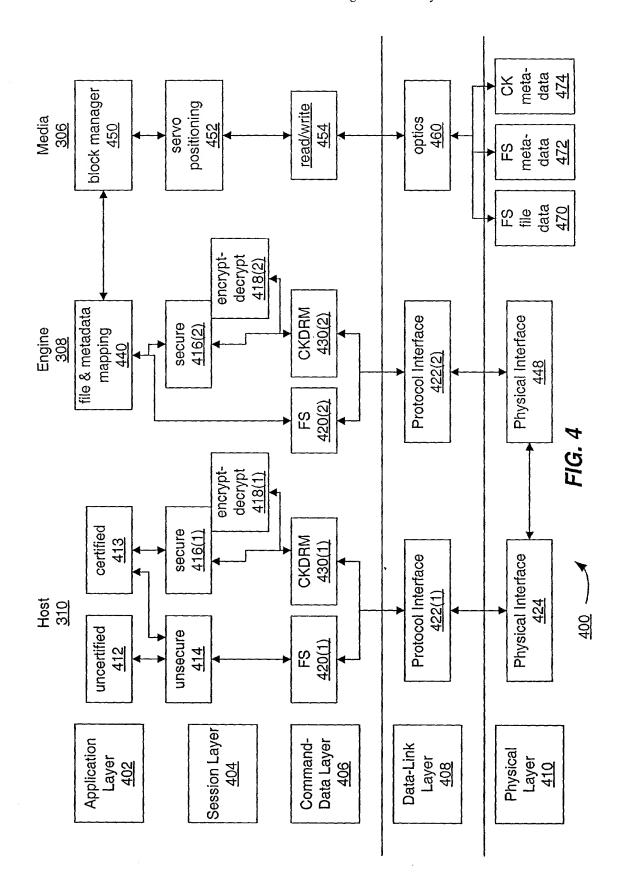


FIG. 3

First Inventor:

Timothy R. Feldman

Title:



First Inventor:

Timothy R. Feldman

Title:

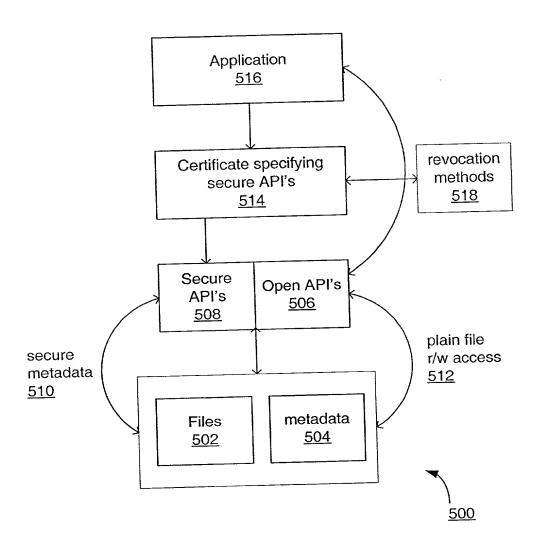
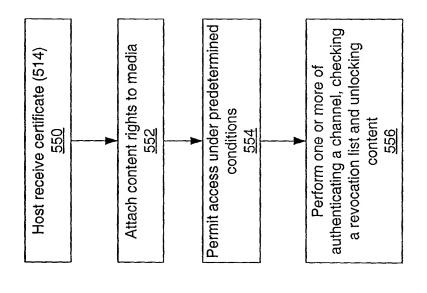


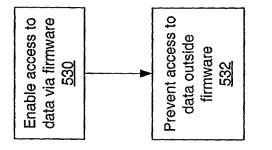
FIG. 5A

Attorney Docket No.: M-12040 US First Inventor:

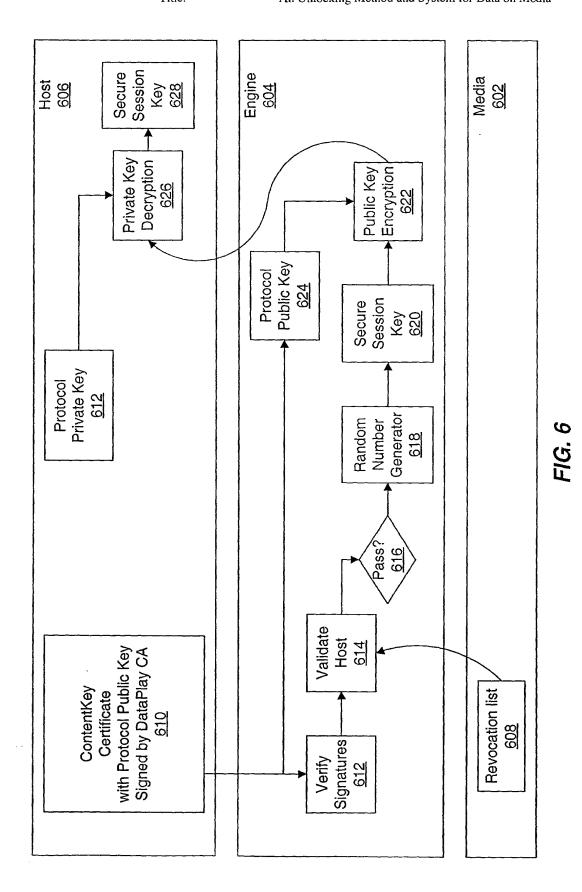
Title:

Timothy R. Feldman
An Unlocking Method and System for Data on Media





Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



First Inventor:

Timothy R. Feldman

Title:

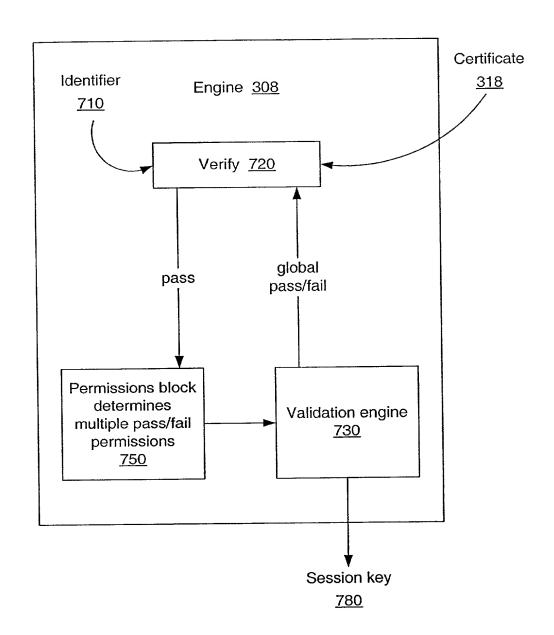


FIG. 7A

Attorney Docket No.:

Use identifier to qualify

destination

704

Receive certificate from destination

702

Transmit session key

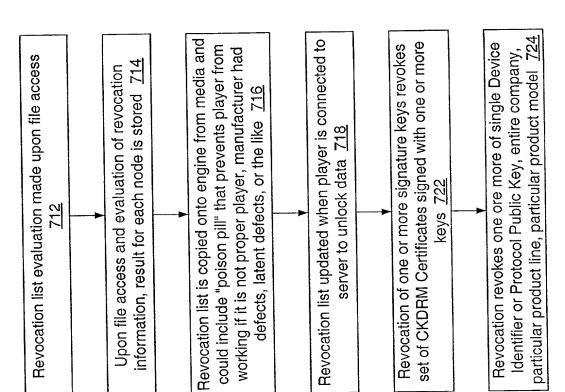
90/

First Inventor:

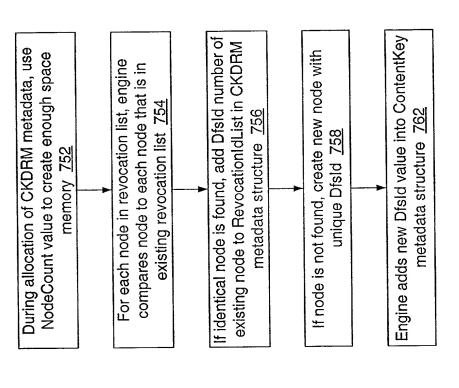
Title:

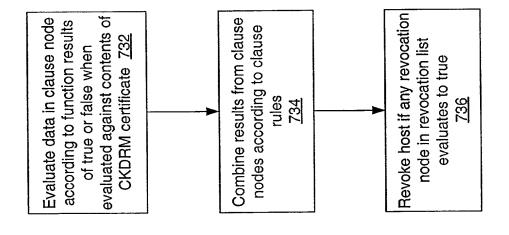
M-12040 US

Timothy R. Feldman



Timothy R. Feldman First Inventor:





First Inventor:

Timothy R. Feldman

Title:

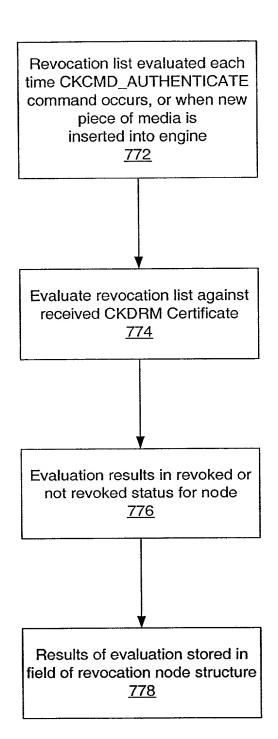


FIG. 7F

First Inventor: Timothy R. Feldman

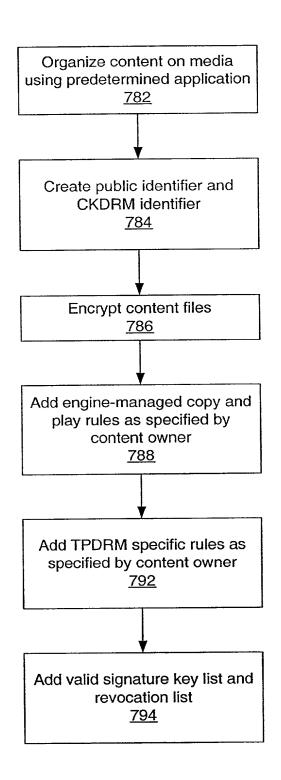


FIG. 7G

First Inventor:

Timothy R. Feldman

Title:

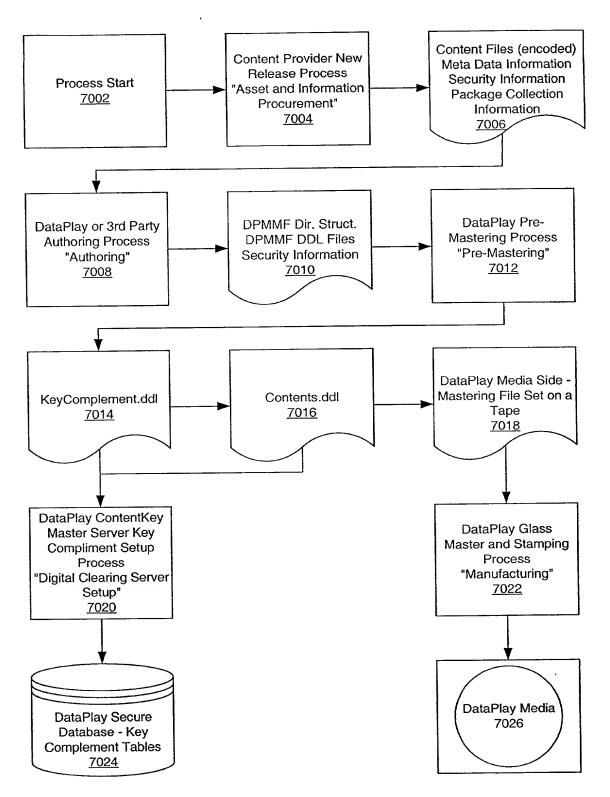


FIG. 7H

First Inventor: Timothy R. Feldman

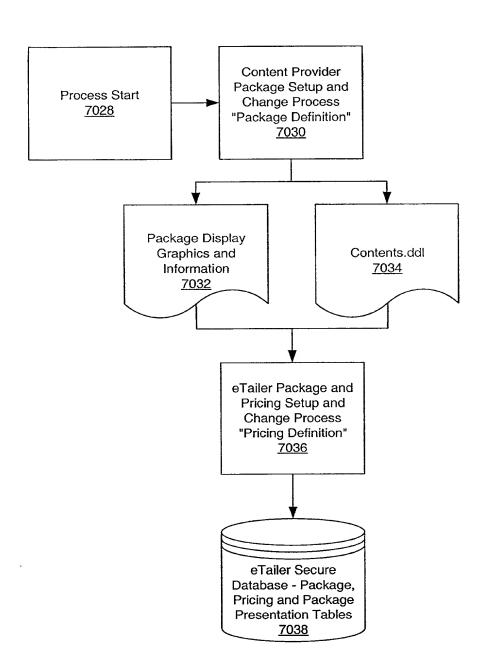


FIG. 71

First Inventor:

Timothy R. Feldman

Title:

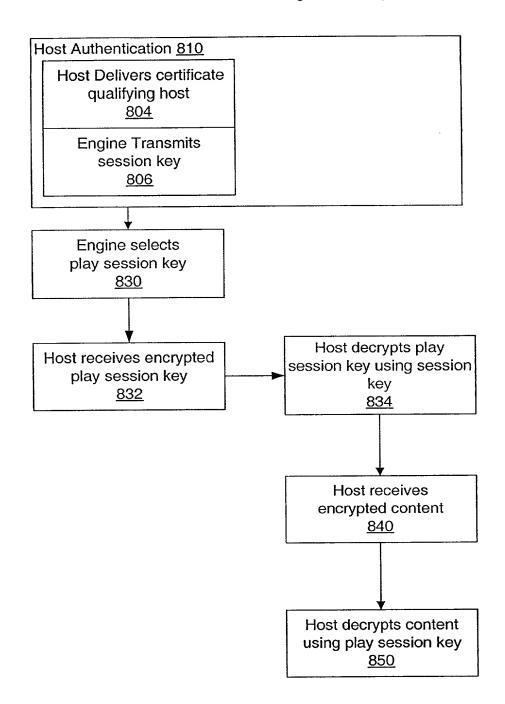


FIG. 8

First Inventor:

Timothy R. Feldman

Title:

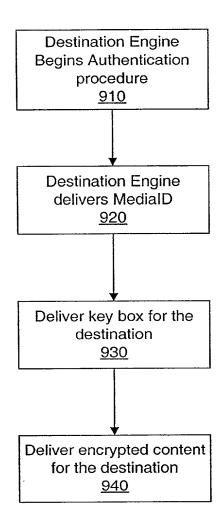


FIG. 9

First Inventor: Timothy R. Feldman

Title:

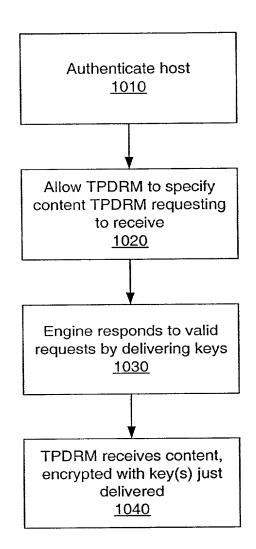


FIG. 10

First Inventor:

Timothy R. Feldman

Title:

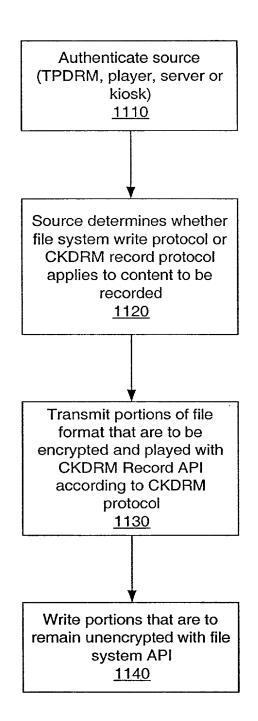


FIG. 11

First Inventor:

Timothy R. Feldman

Title:

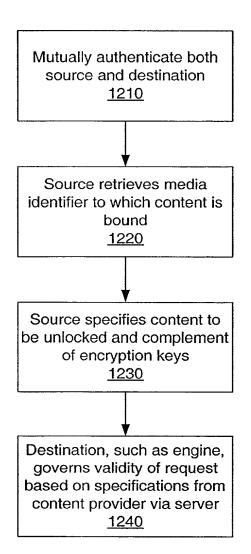
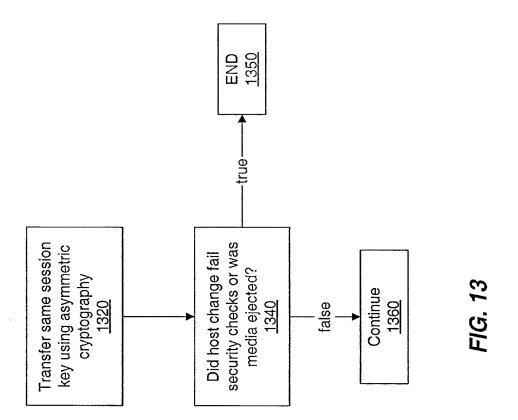


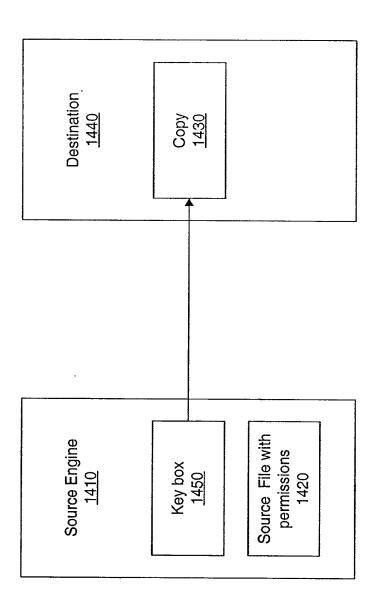
FIG. 12

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



First Inventor:

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman

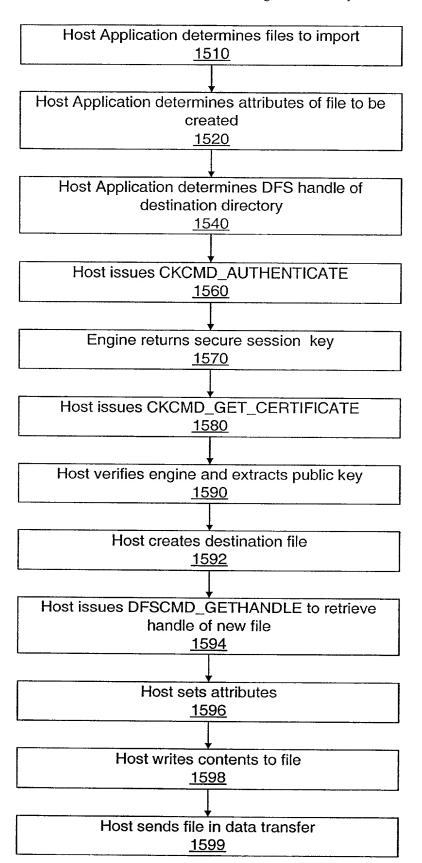


FIG. 15

First Inventor:

Timothy R. Feldman

Title:

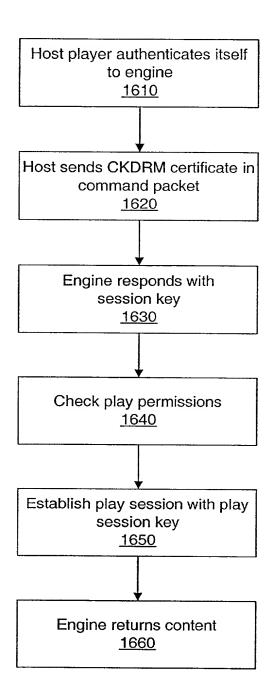


FIG. 16

First Inventor: Timothy R. Feldman

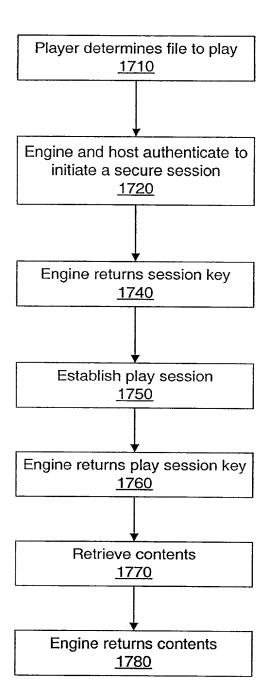


FIG. 17

First Inventor:

Timothy R. Feldman

Title:

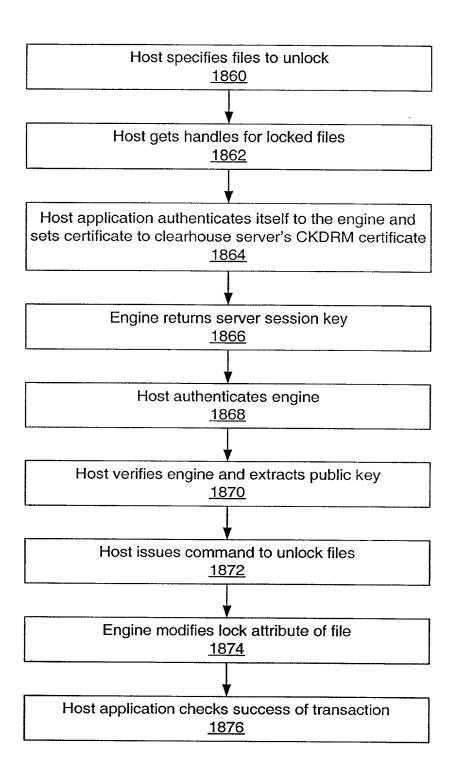


FIG. 18

Attorney Docket No.: M-12040 US Timothy R. Feldman

First Inventor: Title:

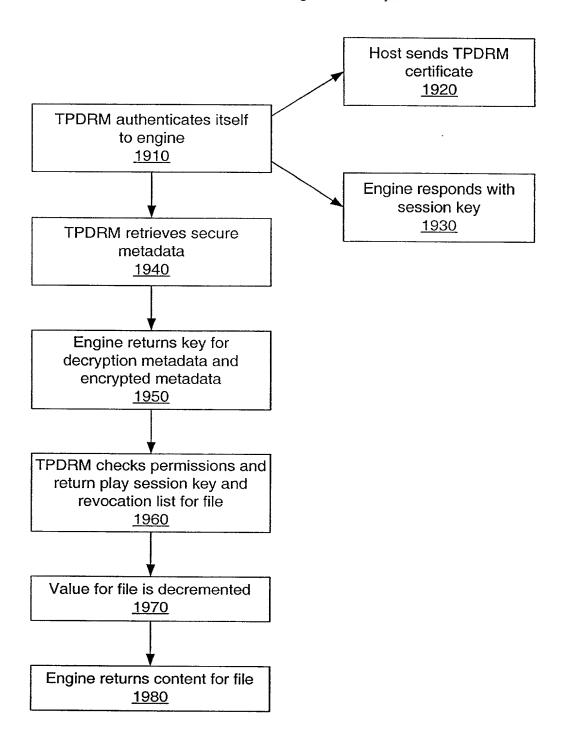


FIG. 19

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman

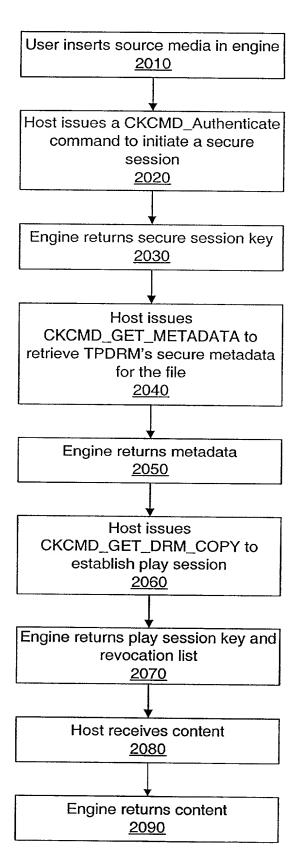


FIG. 20

First Inventor:

Timothy R. Feldman

Title:

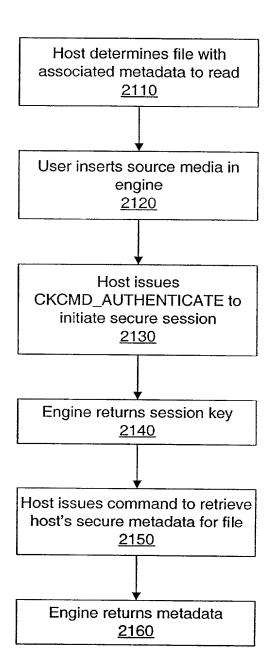


FIG. 21

M-12040 US Timothy R. Feldman

First Inventor: Title:

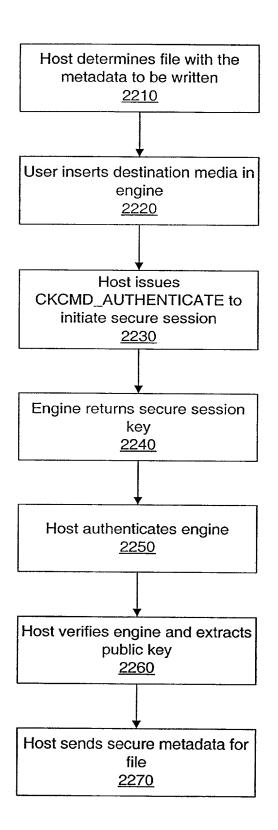


FIG. 22A

First Inventor:

Timothy R. Feldman

Title:

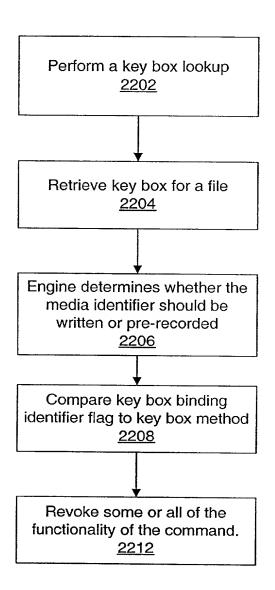


FIG. 22B

Attorney Docket No.: M-12040 US First Inventor:

Timothy R. Feldman

Title:

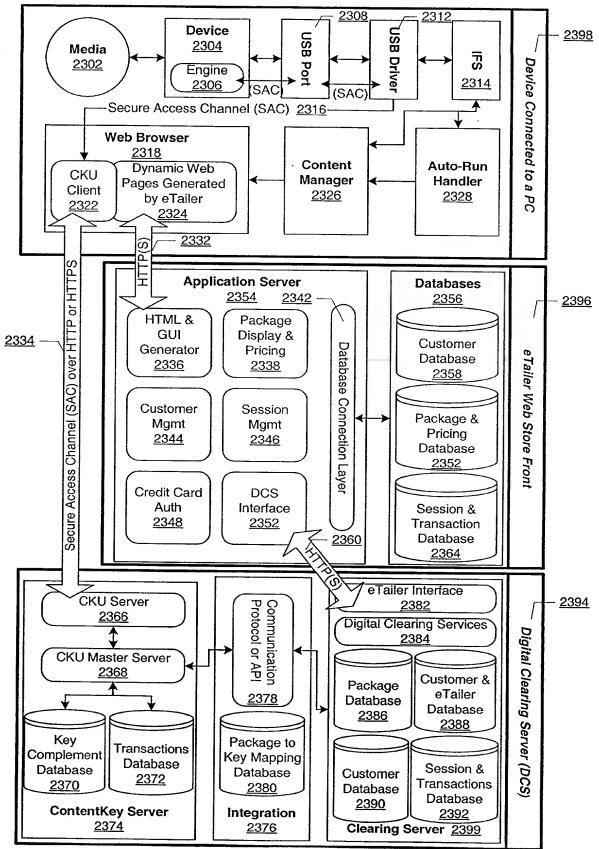


FIG. 23A

First Inventor:

Timothy R. Feldman

Title:

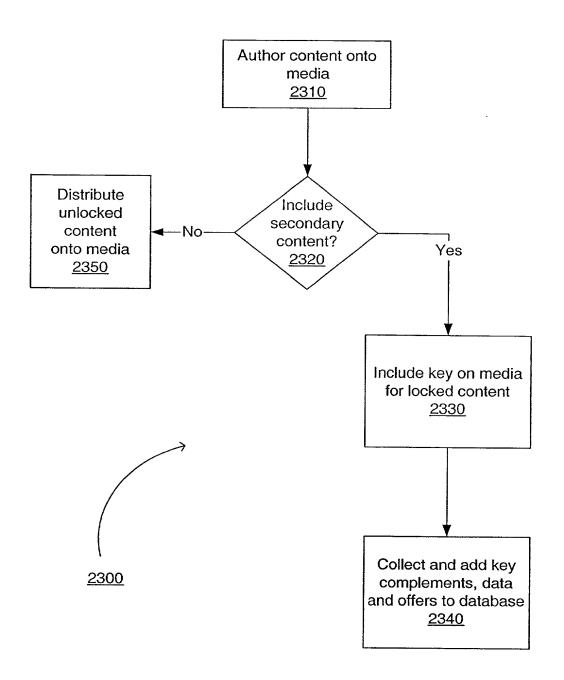


FIG. 23B

First Inventor: Timothy R. Feldman

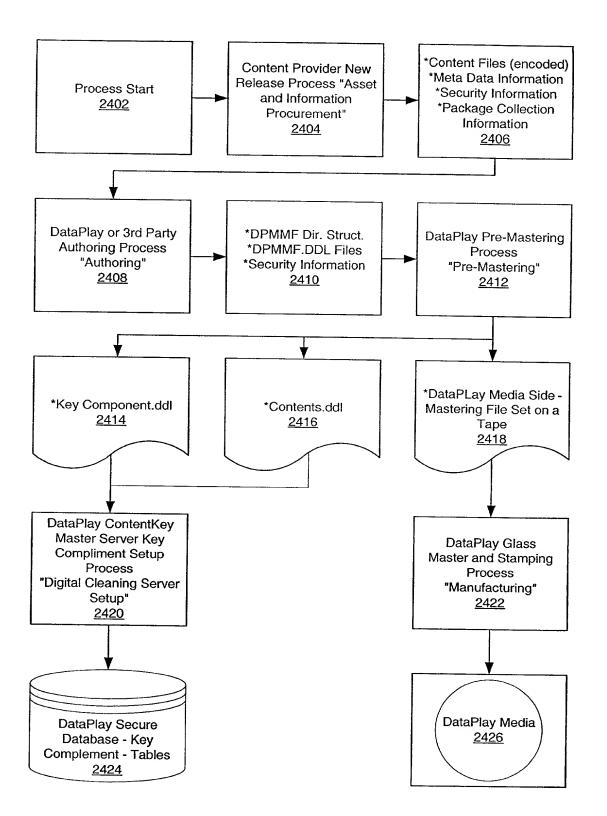


FIG. 24

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman

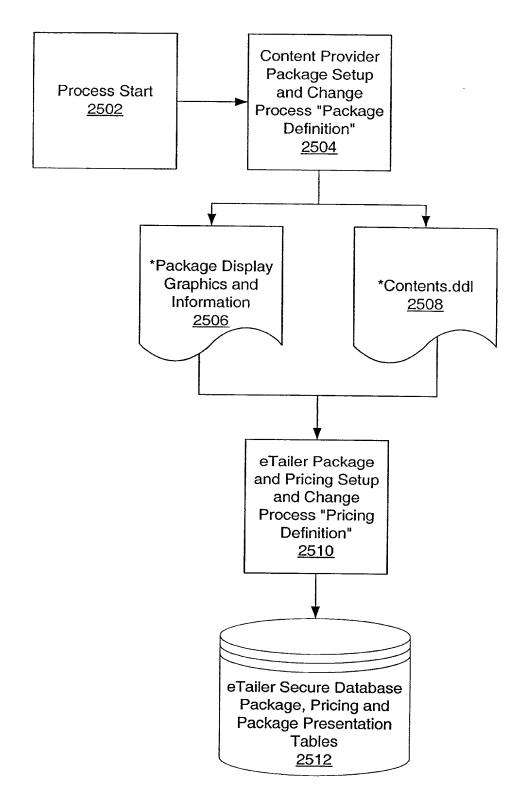


FIG. 25

First Inventor:

Timothy R. Feldman

Title:

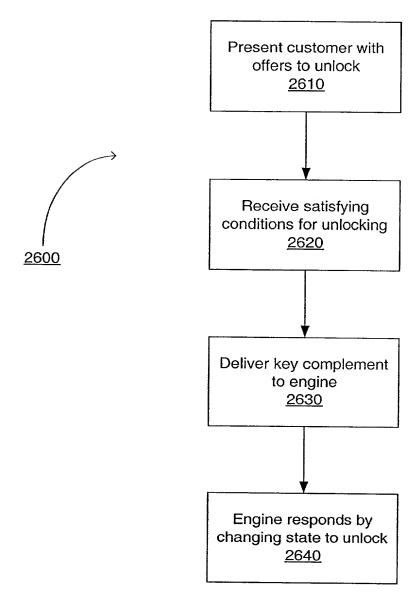


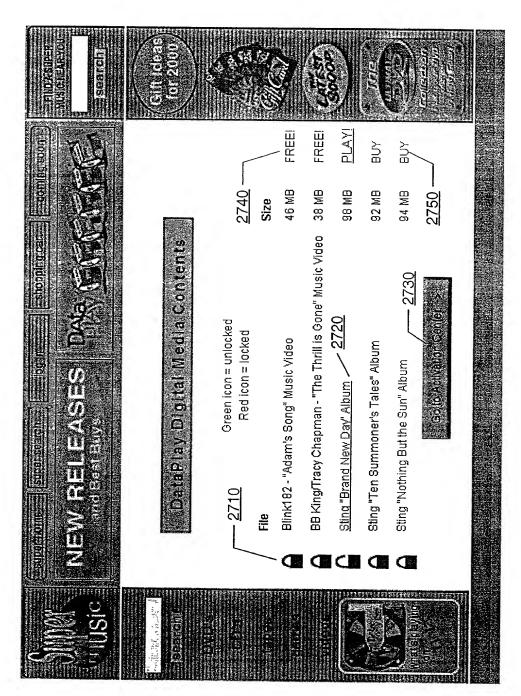
FIG. 26

Attorney Docket No.: M-12040 US First Inventor:

Title:

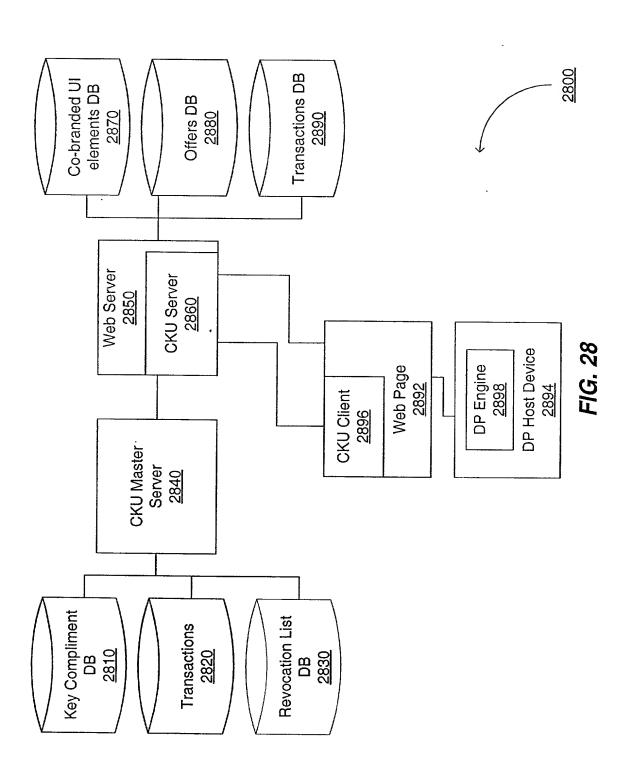
Timothy R. Feldman

An Unlocking Method and System for Data on Media

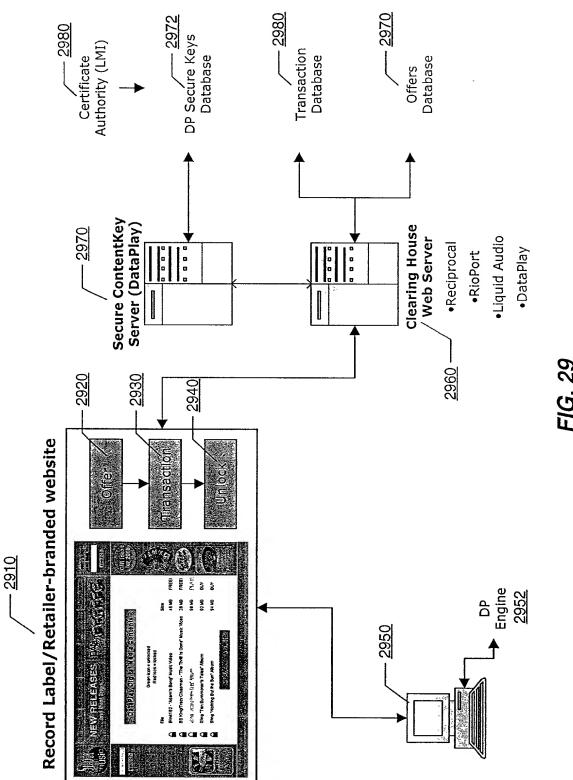


2700

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
An Unlocking Method and System for Data on Media

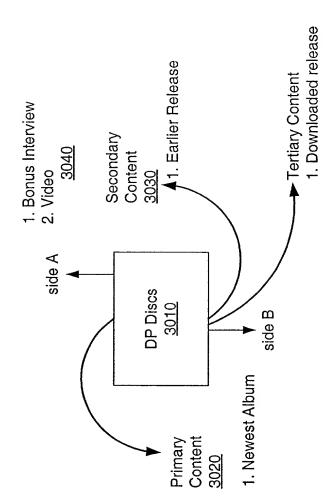


Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media

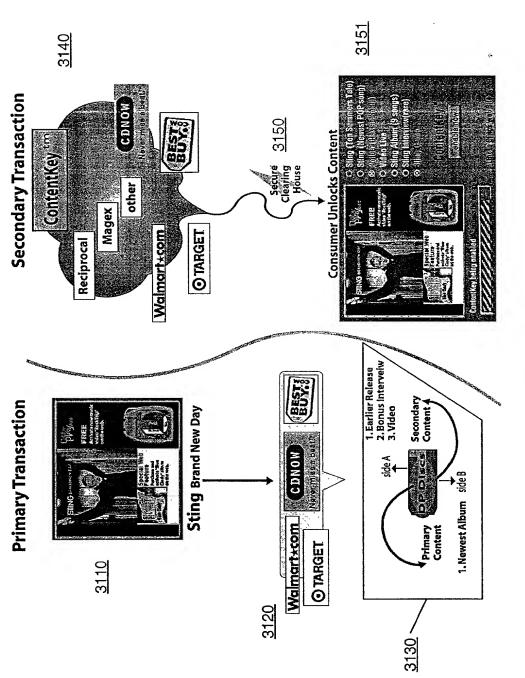


Attorney Docket No.: First Inventor:

M-12040 US Timothy R. Feldman An Unlocking Method and System for Data on Media Title:



Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman
Title: An Unlocking Method and System for Data on Media



First Inventor:

Timothy R. Feldman

Title:

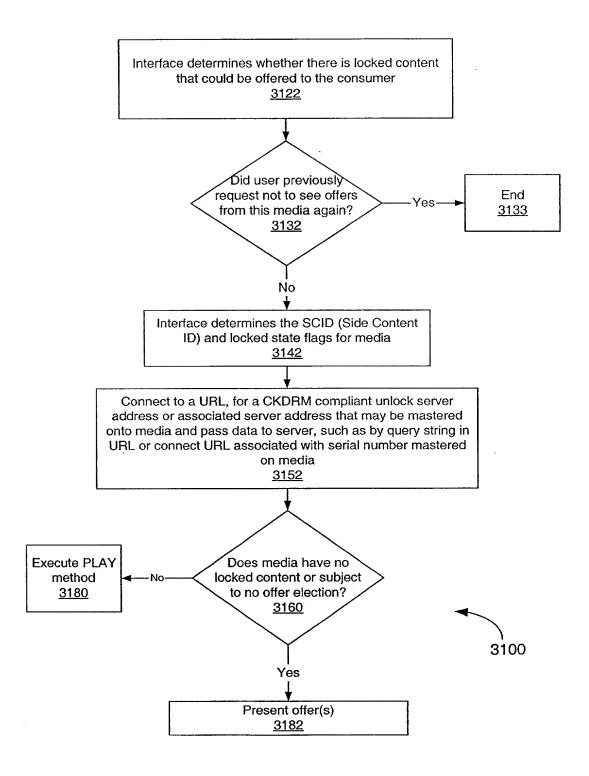


FIG. 31B

Attorney Docket No.: M-12040 US
First Inventor: Timothy R. Feldman

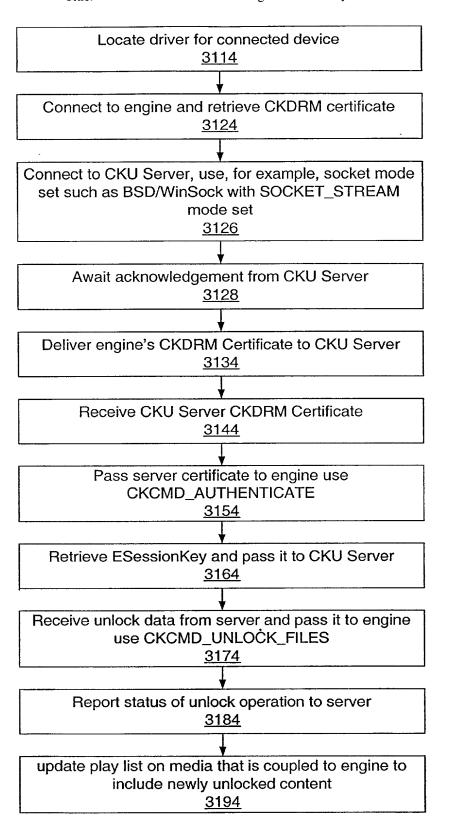


FIG. 31C

CKU Client that unlock has financial transaction after **CKU Server disconnects** receiving indication from unlock status from Client completed successfully Web server completes marked in Transaction CKU Server receives Transaction status is from Client 3244 Database 3242 3245 3240 encrypts Key Complements MAC for data portion 3236 CKU Server transmits data data and transmits to Client Complements that provide CKCMD_UNLOCK_FILES Unlock Key using engine CKU Server decrypts Key random key to be used to Provides that CKU Server using Unlock Key 3230 CKU Server constructs **CKU Server constructs CKU Server generates** unlock capability 3228 **CKU Server encrypts** Complements 3226 public key 3232 re-encrypt Key to Client 3238 3234 **CKU Server acknowledges** CKU Server passes Server that may be encrypted with CKDRMCertificate to Client Session Key using Server CKU Server receives Key **CKU Server disconnects** ESessionKey from Client from CKU Master Server Complements from CKU Master Server. In one Server public key 3214 **CKU Server public key** embodiment keys are receipt to CKU Master CKU Server decrypts CKU Server receives encrypted using CKU Private Key Server 3216 3224 3222 SCID and DFS file handles to Database using SessionID as CKU Server connects to CKU acknowledgement from CKU engine's CKDRM Certificate list of DFS file handles to be **CKDRM retrieves SCID and** CKDRM Certificate, engine CKDRM Certificate, media CKU Server acknowledges unlocked from Transaction CKU Server passes Server Master CKU Server 3212 and Session ID from client CKU Server receives an **CKU Server awaits the** client connection 3202 Master Server 3210 Master Server 3208 index or key 3206 connection 3204

M-12040 US

Timothy R. Feldman

An Unlocking Method and System for Data on Media

Attorney Docket No.:

First Inventor:

Title:

First Inventor:

Timothy R. Feldman

Title:

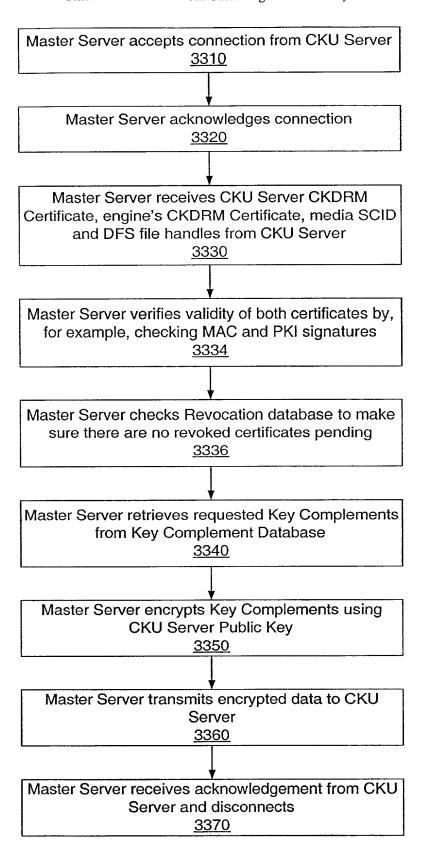


FIG. 33

An Unlocking Method and System for Data on Media Title: Client accesses formatted URL, such as URL on media disk or URL associated with serial number on media disk or other source <u>3410</u> Client presents query string containing SCID and locked content status 3420 Web server constructs page to present offers to consumer using data from Offers and UI Elements databases 3430 Web server delivers "Unlocking in Progress" page to client 3440 Web server generates unique SessionID that is used later to commit transaction after unlock process is verified <u>3450</u> Web page embeds CKU Client object and contains client-side script that tells CKU Client to begin unlock process <u>3454</u> Web server stores the SCID and list of DFS File Handles indexed by SessionID in Transaction Database for later use by CKU Server object 3456

Attorney Docket No: M-12040 US

Timothy R. Feldman

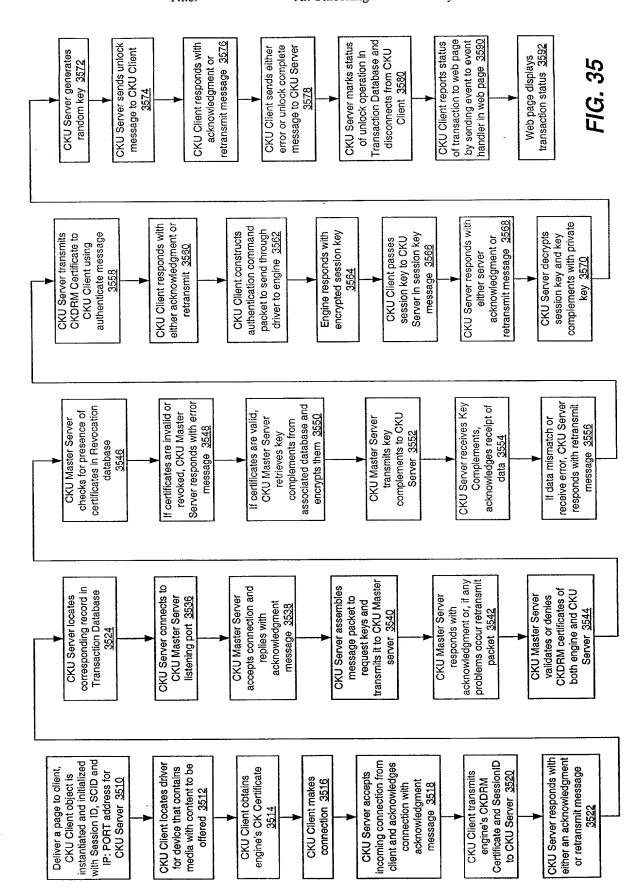
First Inventor:

FIG. 34

Attorney Docket No.: M-12040 US First Inventor: Timothy R. F

Title:

Timothy R. Feldman
An Unlocking Method and System for Data on Media



First Inventor: Timothy R. Feldman

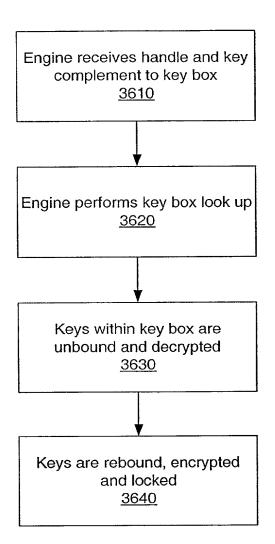
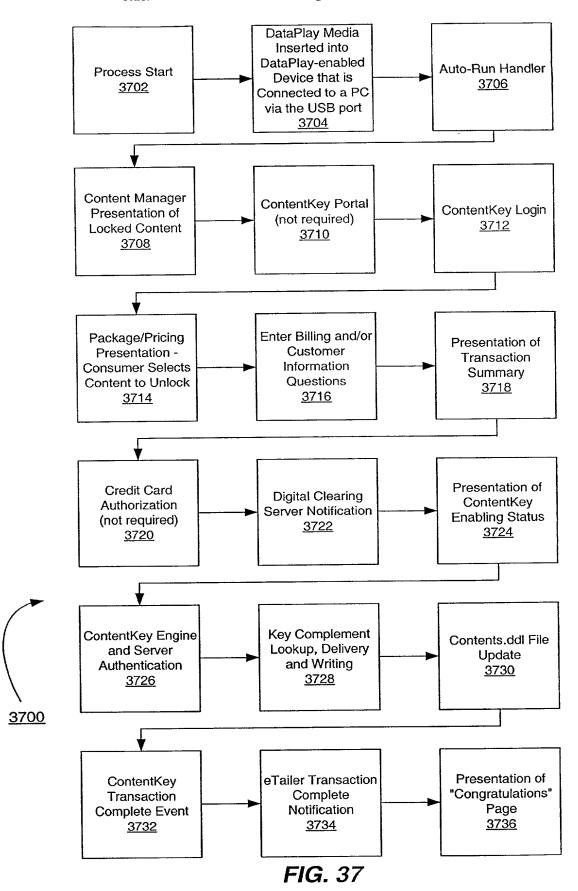


FIG. 36

First Inventor:

Timothy R. Feldman

Title:



Attorney Docket No.: M-12040 US Timothy R. Feldman First Inventor: An Unlocking Method and System for Data on Media Title: DCS Order Mgmt Server inserts records DCS_STAGE table with or without a Media ID 3802 DCS Order Mgmt Serve generates a web page with a CKU Client instantiated with a Transaction ID 3804 CKU Client obtains the Engine's CKDRM Certificate 3806 CKU Client obtains the unique Media ID (if this is not already established the engine will do so) 3808 CKU Client obtains the Server's ContentKey Certificate 3810 CKU Client obtains the ESessionKey from the Engine using the CKU Server's CKDRM Certificate 3812 CKU Client makes final unlock request for validating and/or updating the DCS_STAGE table with the Media ID, authenticating the Engine, obtaining the File Handle/Key Complement/Version list and Wrapping the File Set 3814 CKU Client sends the wrapped file set to the Engine so the Engine can unlock the content 3816 CKU Client sends the final transaction status message to the server and displays a "Trx Complete" message to customer/user <u>3818</u>

FIG. 38

DCS Order Mgmt Server receives the status complete notice, and deletes DCS_STAGE records for that transaction and updates transaction 3820

First Inventor:

Timothy R. Feldman

Title:

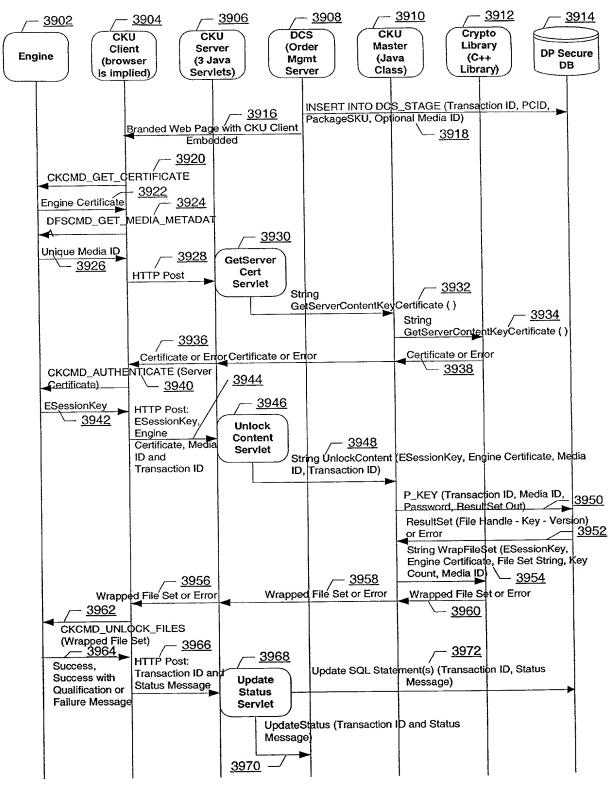


FIG. 39

Receive media containing locked content 4002 Auto-Run Handler (or Content Manager) requests and obtains a Contents.ddl 4004 Auto-Run Handler (or Content Manager) parses the Contents.ddl fie to obtain the PackageCollectionID, PackageCollectionSKU, UnlockURL, Primary PackageSKU List + Business Entity ID, and a list of previously unlocked PackageSKU's <u>4006</u> Auto-Run Handler (or Content Manager) appends the data to the URL and opens the default browser which will display a web page created by the eTailer <u>4008</u> ETailer presents user/customer with a series of pages to process the eCommerce transaction 4010 After a user/customer completes the transaction (e.g. clicking button and prompting eTailer) thereby requesting eTailer to notify the DCS of the ContentKey Unlock Transaction, eTailer passes the DCS the PCID, and a list of PackageSKU's that are to be unlocked 4012 The DCS Order Mgmt component generates a unique Transaction ID and will insert one record for each Package purchased. At this point, the Media ID is not know so it will contain a null value. 4014 The DCS replies to the eTailer with a failure message or a URL that the user/ customer uses to unlock content. The Unlock URL contains the Transaction ID that was generated by the DCS. 4016 The eTailer generates a final confirmation and unlock instructions page that contains the Unlock URL. 4018

Attorney Docket No.: M-12040 US

Timothy R. Feldman

An Unlocking Method and System for Data on Media

First Inventor:

Title:

FIG. 40

First Inventor:

Timothy R. Feldman

Title:

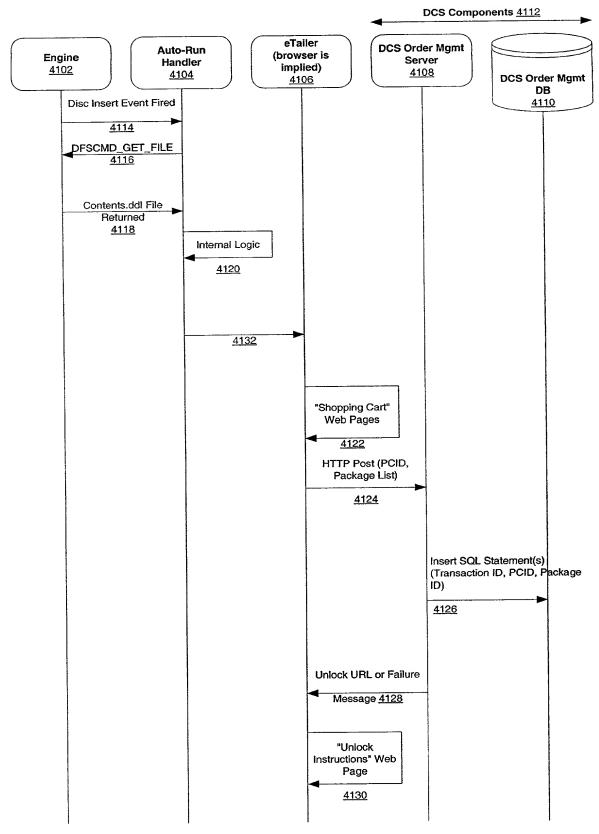


FIG. 41